

CRF Error Corrected by the STIC Systems Branch

Serial Number: 09/426,783

02CO 01PE
CRF Processing Date: 11/9/99
Edited by: AS
Verified by: AS (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

- ☒ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☒ the prior application data; or ☐ other **ENTERED**
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/426,783

DATE: 11/09/1999
TIME: 16:54:47

INPUT SET: S33895.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Gonsalves, Dennis
6 Pang, Sheng-Zhi
7
8 (ii) TITLE OF INVENTION: TOMATO SPOTTED WILT VIRUS
9
10 (iii) NUMBER OF SEQUENCES: 30
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Nixon Peabody LLP
14 (B) STREET: Clinton Square, P.O. Box 1051
15 (C) CITY: Rochester
16 (D) STATE: New York
17 (E) COUNTRY: U.S.A.
18 (F) ZIP: 14603
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: US 08/495,484
28 (B) FILING DATE: 27-JAN-1994
29 (C) CLASSIFICATION:
30
31 (viii) ATTORNEY/AGENT INFORMATION:
32 (A) NAME: Goldman, Michael L.
33 (B) REGISTRATION NUMBER: 30,727
34 (C) REFERENCE/DOCKET NUMBER: 19603/10303
35
36 (ix) TELECOMMUNICATION INFORMATION:
37 (A) TELEPHONE: (716) 263-1304
38 (B) TELEFAX: (716) 263-1600
39
40
41 (2) INFORMATION FOR SEQ ID NO:1:
42
43 (i) SEQUENCE CHARACTERISTICS:
44 (A) LENGTH: 25 base pairs
45 (B) TYPE: nucleic acid
46 (C) STRANDEDNESS: single

↓ (vii) PRIOR APP DATA!

RAW SEQUENCE LISTING
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47 (D) TOPOLOGY: linear
48
49 (ii) MOLECULE TYPE: DNA (genomic)
50
51
52
53
54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
55
56 AGCAGGCAAA ACTCGCAGAA CTTGC 25
57
58 (2) INFORMATION FOR SEQ ID NO:2:
59
60 (i) SEQUENCE CHARACTERISTICS:
61 (A) LENGTH: 25 base pairs
62 (B) TYPE: nucleic acid
63 (C) STRANDEDNESS: single
64 (D) TOPOLOGY: linear
65
66 (ii) MOLECULE TYPE: DNA (genomic)
67
68
69
70
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
72
73 GCAAGTTCTG CGAGTTTTGC CTGCT 25
74
75 (2) INFORMATION FOR SEQ ID NO:3:
76
77 (i) SEQUENCE CHARACTERISTICS:
78 (A) LENGTH: 32 base pairs
79 (B) TYPE: nucleic acid
80 (C) STRANDEDNESS: single
81 (D) TOPOLOGY: linear
82
83 (ii) MOLECULE TYPE: DNA (genomic)
84
85
86
87
88 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
89
90 AGCTAACCAT GGTTAAGCTC ACTAAGGAAA GC 32
91
92 (2) INFORMATION FOR SEQ ID NO:4:
93
94 (i) SEQUENCE CHARACTERISTICS:
95 (A) LENGTH: 32 base pairs
96 (B) TYPE: nucleic acid
97 (C) STRANDEDNESS: single
98 (D) TOPOLOGY: linear
99

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TIME: 16:54:48

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100 (ii) MOLECULE TYPE: DNA (genomic)
101
102
103
104
105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
106
107 AGCATTCCAT GGTTAACACA CTAAGCAAGC AC 32
108
109 (2) INFORMATION FOR SEQ ID NO:5:
110
111 (i) SEQUENCE CHARACTERISTICS:
112 (A) LENGTH: 2216 base pairs
113 (B) TYPE: nucleic acid
114 (C) STRANDEDNESS: single
115 (D) TOPOLOGY: linear
116
117 (ii) MOLECULE TYPE: DNA (genomic)
118
119
120
121
122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
123
124 CAAGTTGAAA GCAACAACAG AACTGTAAAT TCTCTTGCGAG TGAAATCTCT GCTCATGTCA 60
125
126 GCAGAAAACA ACATCATGCC TAACTCTCAA GCTTCCACTG ATTCTCATTT CAAGCTGAGC 120
127
128 CTCTGGCTAA GGGTTCCAAA GGTTTTGAAG CAGGTTTCCA TTCAGAAATT GTTCAAGGTT 180
129
130 GCAGGAGATG AAACAAACAA AACATTTTAT TTATCTATTG CCTGCATTCC AAACCATAAC 240
131
132 AGTGTTGAGA CAGCTTTTAA CATTACTGTT ATTTGCAAGC ATCAGCTCCC AATTCGCAAA 300
133
134 TGCAAAGCTC CTTTTGAATT ATCAATGATG TTTTCTGATT TAAAGGAGCC TTACAACATT 360
135
136 GTTCATGACC CTTCATACCC CAAAGGATCG GTTCCAATGC TCTGGCTCGA AACTCACACA 420
137
138 TCTTTGCACA AGTTCTTTGC AACTAACTTG CAAGAAGATG TAATCATCTA CACTTTGAAC 480
139
140 AACCTTGAGC TAACTCCTGG AAAGTTAGAT TTAGGTGAAA GAACCTTGAA TTACAGTGAA 540
141
142 GATGCCTACA AAAGGAAATA TTTCTTTTCA AAAACACTTG AATGTCTTCC ATCTAACACA 600
143
144 CAAACTATGT CTTACTTAGA CAGCATCCAA ATCCCTTCAT GGAAGATAGA CTTTGCCAGA 660
145
146 GGAGAAATTA AAATTTCTCC ACAATCTATT TCAGTTGCAA AATCTTTGTT AAAGCTTGAT 720
147
148 TTAAGCGGGA TCAAAAAGAA AGAATCTAAG GTTAAGGAAG CGTATGCTTC AGGATCAAAA 780
149
150 TAATCTTGCT TTGTCCAGCT TTTTCTAATT ATGTTATGTT TATTTTCTTT CTTTACTTAT 840
151
152 AATTATTTCT CTGTTTGTCA TCTCTTTCAA ATTCCTCCTG TCTAGTAGAA ACCATAAAAA 900

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153
154 CAAAAAATAA AAATGAAAAT AAAATTAAAA TAAAATAAAA TCAAAAAATG AAATAAAAAC      960
155
156 AACAAAAAAT TAAAAAACGA AAAACCAAAA AGACCCGAAA GGGACCAATT TGGCCAAATT      1020
157
158 TGGGTTTTGT TTTTGTTTTT TGTTTTTTGT TTTTATTTT TTATTTTATT TTTATTTTAT      1080
159
160 TTTATTTTTA TTTTATTTT ATTTTATTTA TTTTTTGTTT TCGTTGTTTT TGTTATTTTA      1140
161
162 TTATTTATTA AGCACAACAC ACAGAAAGCA AACTTTAATT AAACACACTT ATTTAAAATT      1200
163
164 TAACACACTA AGCAAGCACA AGCAATAAAG ATAAAGAAAG CTTTATATAT TTATAGGCTT      1260
165
166 TTTTATAATT TAACCTACAG CTGCTTTCAA GCAAGTCTCG CGAGTTTTCG CTGCTTTTTA      1320
167
168 ACCCCGAACA TTTCATAGAA CTTGTTAAGA GTTTCACTGT AATGTTCCAT AGCAACACTC      1380
169
170 CCTTTAGCAT TAGGATTGCT GGAGCTAAGT ATAGCAGCAT ACTCTTCCC CTTCTTCACC      1440
171
172 TGATCTTCAT TCATTTCAAA TGCTTTGCTT TTCAGCACAG TGCAAACCTT TCCTAAGGCT      1500
173
174 TCCTTGGTGT CATACTTCTT TGGGTCGATC CCGAGGTCCT TGTATTTTGC ATCCTGATAT      1560
175
176 ATAGCCAAGA CAACACTGAT CATCTCAAAG CTATCACTG AAGCAATAAG AGGTAAGCTA      1620
177
178 CCTCCCAGCA TTATGGCAAG TCTCACAGAC TTTGCATCAT CGAGAGGTAA TCCATAGGCT      1680
179
180 TGAATCAAAG GATGGGAAGC AATCTTAGAT TTGATAGTAT TGAGATTCTC AGAATTCCCA      1740
181
182 GTTCTCTCAA CAAGCCTGAC CCTGATCAAG CTATCAAGCC TTCTGAAGGT CATGTCAGTG      1800
183
184 CCTCCAATCC TGTCTGAAGT TTTCTTTATG GTAATTTTAC CAAAAGTAAA ATCGCTTTGC      1860
185
186 TTAATAACCT TCATTATGCT CTGACGATTC TTTAGGAATG TCAGACATGA AATAACGCTC      1920
187
188 ATCTTCTTGA TCTGGTCGAT GTTTTCCAGA CAAAAGTCT TGAAGTTGAA TGCTACCAGA      1980
189
190 TTCTGATCTT CCTCAAACCT AAGGTCTTTG CCTTGTGTCA ACAAAGCAAC AATGCTTTCC      2040
191
192 TTAGTGAGCT TAACCTTAGA CATGATGATC GTAAAAGTTG TTATATGCTT TGACCGTATG      2100
193
194 TAACTCAAGG TGCGAAAGTG CAACTCTGTA TCCCGCAGTC GTTCTTAGG TTCTTAATGT      2160
195
196 GATGATTTGT AAGACTGAGT GTTAAGGTAT GAACACAAAA TTGACACGAT TGCTCT      2216
197
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(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1709 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

RAW SEQUENCE LISTING
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TIME: 16:54:49

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(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

206	AAATTCTCTT GCAGTGAAAT CTCTGCTCAT GTTAGCAGAA AACAACATCA TGCCTAACTC	60
207		
208		
209		
210		
211		
212		
213	AAATTCTCTT GCAGTGAAAT CTCTGCTCAT GTTAGCAGAA AACAACATCA TGCCTAACTC	60
214		
215	TCAAGCTTTT GTCAAAGCTT CTAAGTATTC TAATTTCAAG CTGAGCCTCT GGCTAAGGGT	120
216		
217	TCCAAAGGTT TTGAAGCAGA TTTCCATTCA GAAATTGTTC AAGGTTGCAG GAGATGAAAC	180
218		
219	AAATAAAACA TTTTATTTAT CTATTGCCTG CATTCCAAAC CATAACAGTG TTGAGACAGC	240
220		
221	TTTAAACATT ACTGTTATTT GCAAGCATCA GCTCCCAATT CGTAAATGTA AAACCTCTTT	300
222		
223	TGAATTATCA ATGATGTTTT CTGATTTAAA GGAGCCTTAC AACATTATTC ATGATCCTTC	360
224		
225	ATATCCCCAA AGGATTGTTC ATGCTCTGCT TGAAACTCAC ACATCTTTTG CACAAGTTCT	420
226		
227	TTGCAACAAC TTGCAAGAAG ATGTGATCAT CTACACCTTG AACAACCATG AGCTAACTCC	480
228		
229	TGGAAAGTTA GATTTAGGTG AAATAACTTT GAATTACAAT GAAGACGCCT ACAAAGGAA	540
230		
231	ATATTTCTCT TCAAAAACAC TTGAATGTCT TCCATCTAAC ATACAAACTA TGTCTTATTT	600
232		
233	AGACAGCATC CAAATCCCTT CCTGGAAGAT AGACTTTGCC AGGGGAGAAA TTAAATTTTC	660
234		
235	TCCACAATCT ATTTCAAGTG CAAAATCTTT GTTAAATCTT GATTTAAGCG GGATTAAAAA	720
236		
237	GAAAGAATCT AAGATTAAGG AAGCATATGC TTCAGGATCA AAATGATCTT GCTGTGTCCA	780
238		
239	GCTTTTTCTA ATTATGTTAT GTTTATTTTC TTTCTTTACT TATAATTATT TTTCTGTTTG	840
240		
241	TCATTTCTTT CAAATTCCTC CTGTCTAGTA GAAACCATAA AAACAAAAT AAAAATAAAA	900
242		
243	TAAAATCAAA ATAAAATAAA AATCAAAAAA TGAAATAAAA GCAACAAAAA AATTAAAAAA	960
244		
245	CAAAAAACCA AAAAAGATCC CGAAAGGACA ATTTTGGCCA AATTTGGGGT TTGTTTTTGT	1020
246		
247	TTTTTGTTTT TTTGTTTTTT GTTTTTATTT TTATTTTAT TTTTATTTTT ATTTTATTTT	1080
248		
249	ATTTTATGTT TTTGTTGTTT TTGTTATTTT GTTATTTATT AAGCACAACA CACAGAAAGC	1140
250		
251	AAACTTTAAT TAAACACACT TATTTAAAAT TTAACACACT AAGCAAGCAC AAACAATAAA	1200
252		
253	GATAAAGAAA GCTTTATATA TTTATAGGCT TTTTATAAT TTAACCTACA GCTGCTTTTA	1260
254		
255	AGCAAGTTCT GTGAGTTTTG CCTGTTTTTT AACCCTAAAC ATTTATAGA ACTTGTTAAG	1320
256		
257	GGTTTCACTG TAATGTTCCA TAGCAATACT TCCTTTAGCA TTAGGATTGC TGGAGCTAAG	1380
258		

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/426,783

DATE: 11/09/1999
TIME: 16:54:49

INPUT SET: S33895.raw

Line	Error	Original Text
27	Wrong application Serial Number	(A) APPLICATION NUMBER: US 08/495,484